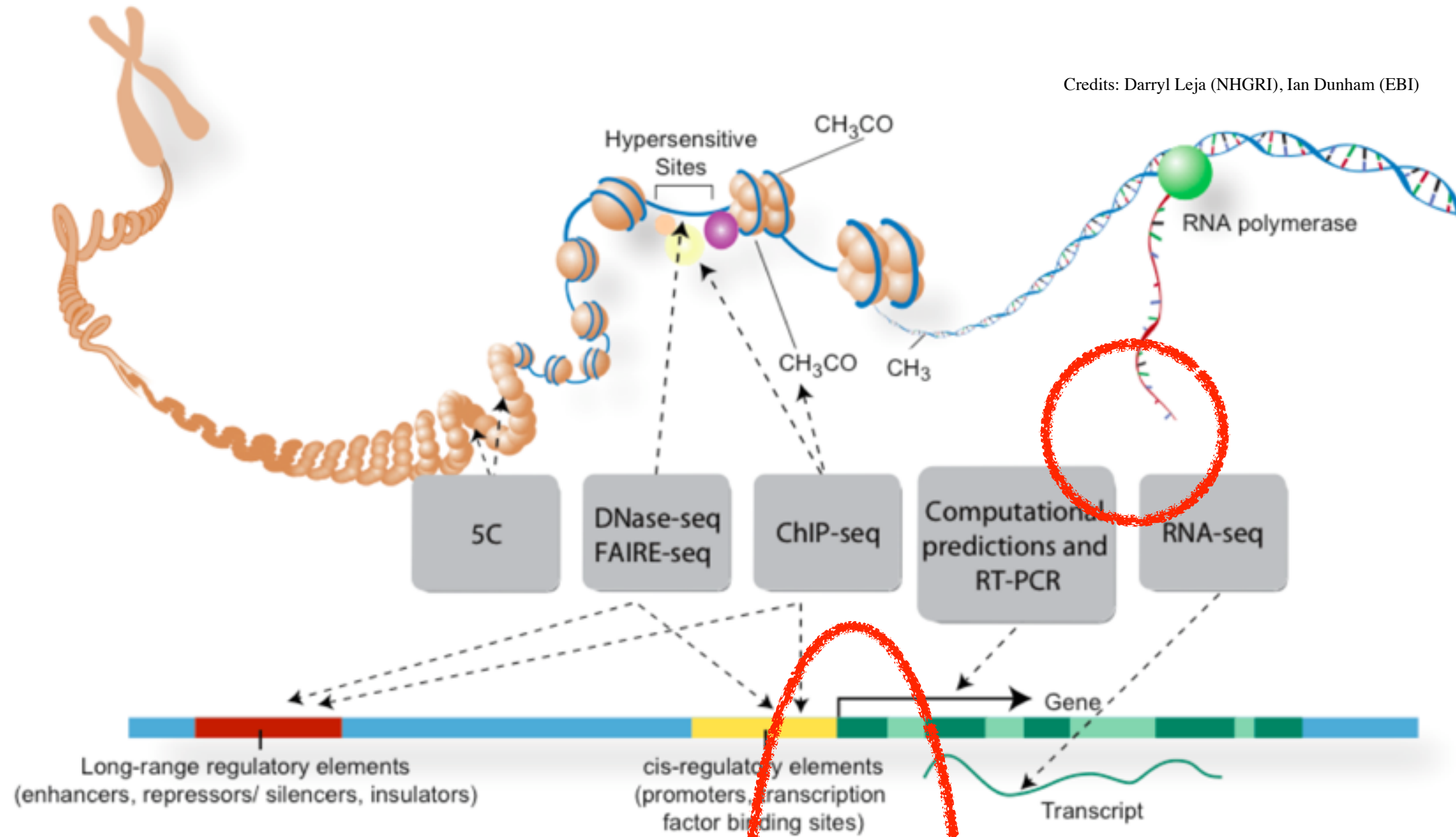


SMW for promoters in many cells

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for the FANTOM5 (Functional Annotation of Mammalian Genomes) consortium



neuron, donor 123
hepatocyte, donor 456
adipocyte, donor 789

+++
-
+

promoter

~30,000

Gene

semantic properties

wikitext + custom extension



~a few

a few ~ dozens

Promoter

activity

individual
samples

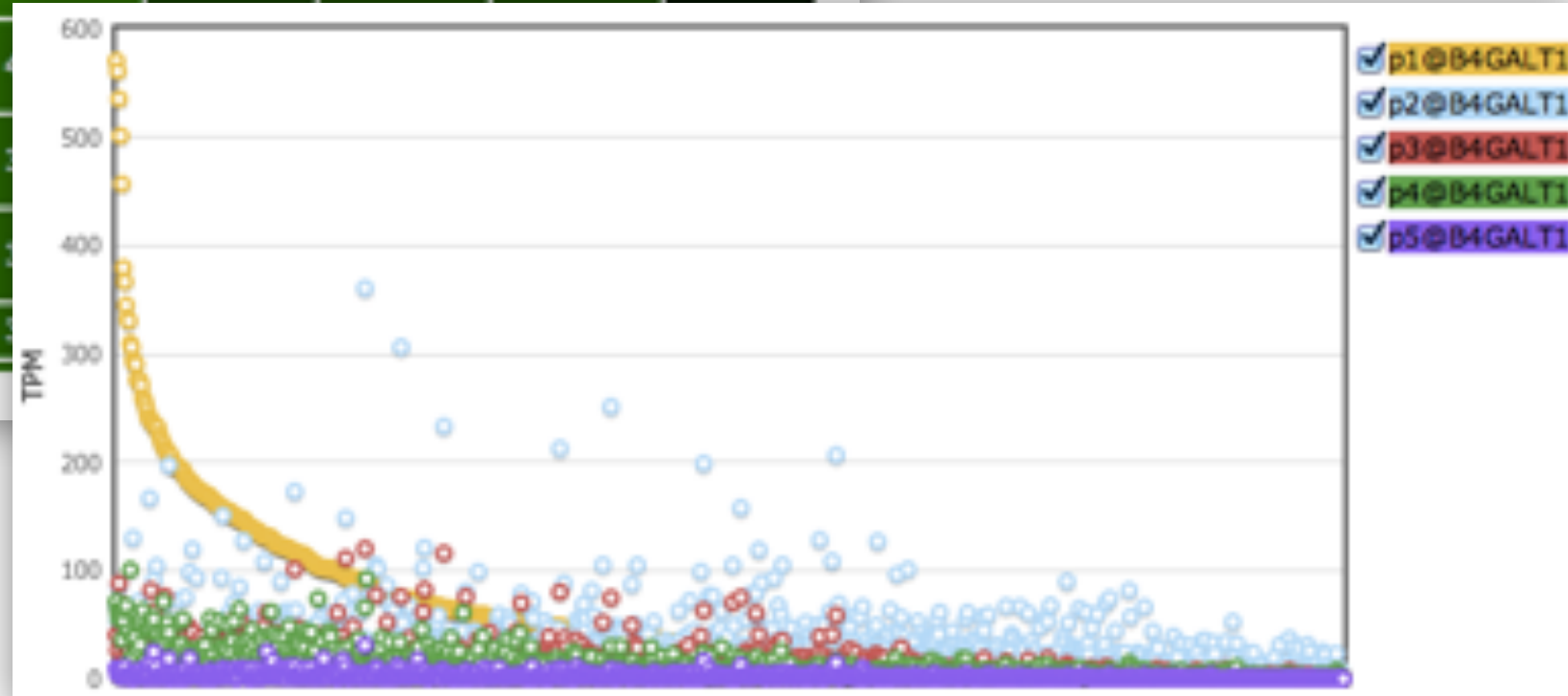
~200,000

~1,000

Search:

Sample	p1@B4GALT1	p2@B4GALT1	p3@B4GALT1	p4@B4GALT1	p5@B4GALT1
glassy cell carcinoma cell line:HOKUG.CNhs11824.10688-109F4	570.38	67.88	40.54	71.18	9.90
Mesothelial Cells, donor1.CNhs10850.11247-116E5	560.68	53.96	26.53	63.00	3.92
Smooth Muscle Cells - Aortic, donor0 (nuclear fraction).CNhs12402.14314-155D3	535.18	85.31	88.15	55.09	7.87
Fibroblast - Aortic Adventitial, donor3 (nuclear fraction).CNhs12400.14311-155C9	501.10	36.14	69.70	62.82	2.29
Hair Follicle Dermal Papilla Cells, donor1.CNhs12501.11271-116H2					
Smooth Muscle Cells - Internal Thoracic Artery, donor3.CNhs12046.11436-118H5					
gall bladder carcinoma cell line:TGBC14TKB.CNhs11256.10470-106I2					
Preadipocyte - breast, donor1.CNhs11052.11467-119B9					

Showing 1 to 889 of 889 entries



- SMW works well for giving feedbacks of all the complex data and analysis in a flexible manner (incl. more complex parts now shown here)
- Limitations/difficulties/challenges in
 - publication as ‘data’
 - performance